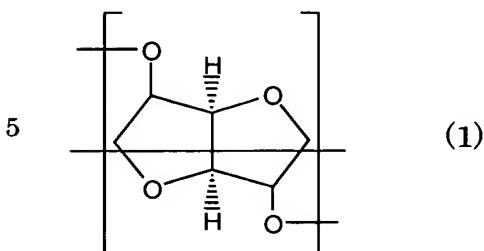
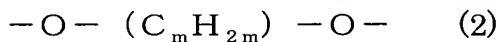


CLAIMS

1. A polycarbonate containing an ether diol residue producible from a polysaccharide and expressed by the following formula (1),



and a diol residue expressed by the following formula (2)



(here, m is an integer of 2 to 12), wherein said ether diol residue amounts to 65·98 wt.% of all the diol residues, and having a glass transition temperature of 90°C or higher.

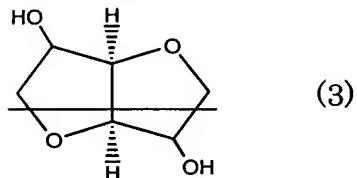
2. The polycarbonate according to Claim 1, wherein the diol residue expressed by the formula (2) is at least one kind selected from the group consisting of an ethylenediol residue, a 1,3-propanediol residue, a 1,4-butanediol residue, a 1,5-pentanediol residue and a 1,6-hexanediol residue.

3. The polycarbonate according to Claim 1 containing at least two kinds of the diol residues expressed by the formula (2).

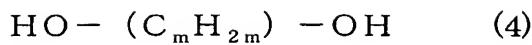
4. The polycarbonate according to Claim 1 containing the isosorbide residue as the ether diol residue.

20 5. The polycarbonate according to Claim 4, wherein the isosorbide residue amounts to 65 to 98 wt.% of all the diol residues.

6. A method for producing the polycarbonate according to Claim 1, wherein the polycarbonate is produced from an ether diol expressed by the following formula (3),



a diol expressed by the following formula (4)



(here, m is an integer of 2 to 12) and a carbonic acid diester by a melt polymerization method.

7. The polycarbonate-producing method according to Claim 6,
5 wherein an ether diol expressed by the above-mentioned formula (3), a diol
expressed by the above-mentioned formula (4) and a carbonic acid diester are
subjected to a thermal reaction at atmospheric pressure in the presence of
polymerization catalysts, and subsequently the reaction product is subjected
to melt polycondensation under reduced pressure while heated at a
10 temperature in the range of 180°C to 280°C.

8. The polycarbonate-producing method according to Claim 7,
wherein at least one compound selected from the group consisting of
nitrogen-containing basic compounds, alkali metal compounds and alkaline
earth metal compounds is used as the polymerization catalysts.

15 9. The polycarbonate-producing method according to Claim 8,
wherein tetramethylammonium hydroxide and
2,2-bis(4-hydroxyphenyl)propane disodium salt are used as the
polymerization catalysts.

10. The polycarbonate-producing method according to Claim 6,
20 wherein diphenyl carbonate is used as the carbonic acid diester.